

H5P_GET_HYPER_VECTOR_SIZE

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H5P_GET_HYPER_VECTOR_SIZE

Retrieves number of I/O vectors to be read/written in hyperslab I/O

Procedure:

H5P_GET_HYPER_VECTOR_SIZE (dxpl_id, vector_size)

Signature:

```
herr_t H5Pget_hyper_vector_size(hid_t dxpl_id,  
                                size_t *vector_size  
                                )
```

Fortran90 Interface: h5pget_hyper_vector_size_f

```
SUBROUTINE h5pget_hyper_vector_size_f(plist_id, size, hdferr)  
  IMPLICIT NONE  
  INTEGER(HID_T), INTENT(IN) :: plist_id ! Dataset transfer property list  
                                           ! identifier  
  INTEGER(SIZE_T), INTENT(OUT) :: size ! Vector size  
  INTEGER, INTENT(OUT) :: hdferr ! Error code  
                                           ! 0 on success and -1 on failure  
END SUBROUTINE h5pget_hyper_vector_size_f
```

Parameters:

<i>hid_t</i> dxpl_id	IN: Dataset transfer property list identifier
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`size_t *vector_size`

OUT: Number of I/O vectors to accumulate in memory for I/O operations

Description:

H5P_GET_HYPER_VECTOR_SIZE retrieves the number of I/O vectors to be accumulated in memory before being issued to the lower levels of the HDF5 library for reading or writing the actual data.

The number of I/O vectors set in the dataset transfer property list `dxpl_id` is returned in `vector_size`. Unless the default value is in use, `vector_size` was previously set with a call to H5P_SET_HYPER_VECTOR_SIZE.

Returns:

Returns a non-negative value if successful; otherwise returns a negative value.

Example:

Coming Soon!

History:

Release	Change
1.6.0	Function introduced in this release.

--- Last Modified: August 09, 2019 | 11:57 AM